

Title (en)
Liquid crystal display device and manufacturing method thereof

Title (de)
Flüssigkristallvorrichtung und Herstellungsverfahren davon

Title (fr)
Dispositif à cristaux liquides et procédé de fabrication correspondant

Publication
EP 1992983 A1 20081119 (EN)

Application
EP 08009120 A 20080516

Priority
JP 2007132591 A 20070518

Abstract (en)
To further ensure the electrical connection of a conductor (1270) between an opposite electrode (1251) of an opposite substrate (1204) and a connection wiring (1208) of a TFT substrate (1210), and to prevent diffusion of impurities contained in a sealing material (1205) mixed with conductive particles or a conductive paste into a liquid crystal layer (1280). In order to isolate the sealing material (1205) containing a conductive particle (1270) or the conductive paste from the liquid crystal layer, the sealing material forms a plurality of compartments (1245,1246) such that a compartment (1246) in which a pixel region is provided and a compartment (1245) in which a conductor is provided are separated.

IPC 8 full level
G02F 1/1341 (2006.01); **G02F 1/1339** (2006.01); **G02F 1/1345** (2006.01)

CPC (source: EP US)
G02F 1/1339 (2013.01 - EP US); **G02F 1/13415** (2021.01 - EP US); **G02F 1/1345** (2013.01 - EP US)

Citation (applicant)
• US 2006203168 A1 20060914 - ISHITANI TETSUJI [JP]
• JP 2005202360 A 20050728 - SEIKO EPSON CORP
• JP 2005181514 A 20050707 - SEIKO EPSON CORP

Citation (search report)
• [A] US 2006203168 A1 20060914 - ISHITANI TETSUJI [JP]
• [A] JP 2005202360 A 20050728 - SEIKO EPSON CORP
• [A] JP 2005181514 A 20050707 - SEIKO EPSON CORP

Cited by
EP3411753A4; WO2011151455A1; US9223181B2

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DE FI FR GB NL

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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JP 2014081661 A 20140508; JP 5702005 B2 20150415; US 2008284970 A1 20081120; US 8325310 B2 20121204

DOCDB simple family (application)
EP 08009120 A 20080516; DE 602008001626 T 20080516; JP 2008128070 A 20080515; JP 2014022175 A 20140207; US 12076708 A 20080515